

QR Code Reader

QR Code, 2D Barcode,
Proximity, Smart Card

Datasheet



AY-M30QR

1. Introduction

Rosslare's innovative QR Code Reader offers versatile access control solutions supporting multiple technologies, including QR Code and 2D Barcode, 125 kHz, and 13.56 MHz CSN credentials.

The reader is designed for general-purpose access control installations, combining flexibility with mobile access capabilities.

The QR Code Reader adds enhanced on-the-go flexibility for mobile credentials for various applications like visitor access, temporary access and more. The reader aligns fully with the AxTraxPro platform for QR code generation.

2. General Description

The readers support MIFARE Classic EV1, ASK, FSK for 125 kHz and 13.56 MHz smartcards, the readers integrate seamlessly with legacy systems. This allows reading RFID transponder UIDs and outputting IDs without updating existing credentials.

QR Code Readers enable customized credentials that can be generated at the customer site using AxTraxPro Desktop and Web clients.

With simple installation, QR Code Readers let you easily manage add-on installations and technology migrations. The reader fits all architectural designs and are suitable for outdoor use.

3. Main Features

- QR codes and 2D barcodes.
- 125 kHz and 13.56 MHz frequencies.
- 2 color LED Support Close Focus.
- QR for better mobile support (QR size 3x3cm).
- Sleek and modern design, superior mechanics.

4. Specifications

| Electricity | | Details |
|-------------------------|--|--|
| Digital Input | | LED (Red) LED (Green) Buzzer |
| Operating Voltage Range | | 12-24VDC |
| Power Consumption | | <1W |
| Credential Technology | | 125Khz: EM 13.56Mhz: ISO 14443/ISO 7816-4 MIFARE Ultralight, Classic CSN QR and 2D barcode |
| Wiegand Formats | | 26 and 34 bit |
| QR Code Scan Distance | | 5–10 cm |
| RF Read Range | | 2-15 cm |

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| Hardware | | Details |
|------------------|----------|---|
| Housing Material | | Anti-Scratch PC+ABS / Tempered Glass Panel + ABS (Fire-proof level: 94V0) |
| Color | | Black |
| Dimension (mm) | AY-M30QR | 88(H)X86(W)X34(D) |
| | AY-H30QR | 110(H)X81(W)X34(D) |
| Net Weight(g) | AY-M30QR | approx. 110 |
| | AY-H30QR | approx. 120 |

| Environment | | Details |
|--------------------------|--|-------------------------|
| Ingress Protection | | IP65 (Surface) |
| Operating Temp. Range | | -20°C ~ +70°C |
| Operating Humidity Range | | 0%~90% (non-condensing) |

5. System Components

QR Code Readers are compatible with a variety of Rosslare controllers, as well as with many third-party access control systems supporting Wiegand.

6. Warranty

2-year limited product warranty.



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